

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-72. (Canceled).

73. (Previously Presented) A surgical device as claimed in claim 106, wherein the entry seal assembly is configured to receive and seal at least part of a human arm.

74. (Previously Presented) A surgical device as claimed in claim 106, wherein the entry seal assembly is configured to receive and seal at least part of an instrument.

75. (Previously Presented) A surgical device as claimed in claim 106, wherein the entry seal assembly is movable between an unsealed configuration and a sealed configuration, and the entry seal assembly includes a locking assembly configured to secure the entry seal assembly in the sealed configuration.

76. (Previously Presented) A surgical device as claimed in claim 106, wherein the entry seal assembly includes a first component and a second component, the first component being completely detachable from the second component.

77. (Previously Presented) A surgical device as claimed in claim 76, wherein the first component includes a surgical glove.

78. (Previously Presented) A surgical device as claimed in claim 106, wherein the entry seal assembly includes a first member and a second member connected together by a sleeve member, the first and second members being rotatable relative to one another to seal an object.

79. (Previously Presented) A surgical device as claimed in claim 78, wherein the first member includes a first ring, and the second member includes a second ring.

80. (Previously Presented) A surgical device as claimed in claim 79, wherein the first ring includes a circular shape, and the second ring includes a circular shape.

81. (Previously Presented) A surgical device as claimed in claim 79, wherein the entry seal assembly includes a locking assembly configured to secure the first and second rings together.

82. (Previously Presented) A surgical device as claimed in claim 106, wherein the entry seal assembly includes a sleeve extending between a seal mechanism and a proximal ring.

83. (Previously Presented) A surgical device as claimed in claim 82, wherein the proximal ring includes a circular shape, and the distal ring includes a circular shape.

84. (Previously Presented) A surgical device as claimed in claim 83, wherein the proximal ring, distal ring, and diaphragm have approximately the same inner diameter.

85. (Previously Presented) A surgical device as claimed in claim 106, wherein the entry seal assembly forms a proximal-most portion of the surgical device.

86. (Canceled).

87. (Previously Presented) A surgical device as claimed in claim 107, wherein the entry seal assembly is configured to receive and seal at least part of a human arm.

88. (Previously Presented) A surgical device as claimed in claim 107, wherein the entry seal assembly is configured to receive and seal at least part of an instrument.

89. (Previously Presented) A surgical device as claimed in claim 107, wherein the entry seal assembly is movable between an unsealed configuration and a sealed configuration, and the entry seal assembly includes a locking assembly configured to secure the entry seal assembly in the sealed configuration.

90. (Previously Presented) A surgical device as claimed in claim 107, wherein the entry seal assembly includes a first component and a second component, the first component being completely detachable from the second component.

91. (Previously Presented) A surgical device as claimed in claim 90, wherein the first component includes a surgical glove.

92. (Previously Presented) A surgical device as claimed in claim 107, wherein the entry seal assembly includes a first member and a second member connected together by a sleeve member, the first and second members being rotatable relative to one another to seal an object.

93. (Previously Presented) A surgical device as claimed in claim 92, wherein the first member includes a first ring, and the second member includes a second ring.

94. (Previously Presented) A surgical device as claimed in claim 93, wherein the first ring includes a circular shape, and the second ring includes a circular shape.

95. (Previously Presented) A surgical device as claimed in claim 93, wherein the entry seal assembly includes a locking assembly configured to secure the first and second rings together.

96. (Previously Presented) A surgical device as claimed in claim 107, wherein the entry seal assembly includes a sleeve extending between a seal mechanism and a proximal ring.

97. (Previously Presented) A surgical device as claimed in claim 96, wherein the proximal ring includes a circular shape, and the distal ring includes a circular shape.

98. (Previously Presented) A surgical device as claimed in claim 97, wherein the proximal ring, distal ring, and diaphragm have approximately the same inner diameter.

99. (Previously Presented) A surgical device as claimed in claim 107, wherein the entry seal assembly forms a proximal-most portion of the surgical device.

100. (Previously Presented) A surgical device as claimed in claim 107, wherein the distal ring is larger than the incision.

101-105. (Canceled).

106. (Previously Presented) A surgical device providing sealed access through an incision in a patient, the device comprising:

a distal ring insertable through the incision to engage internal body tissue;

a tubular diaphragm having a distal end, a proximal end, and an incision engaging portion,

the distal end of the tubular diaphragm being coupled to the distal ring,

the incision engaging portion configured to engage the incision, and

the proximal end of the tubular diaphragm located proximal the distal ring and outside the incision; and

an entry seal assembly located proximal the tubular diaphragm,
the entry seal assembly configured to maintain a controlled pressurized environment inside the surgical device such that the engagement of the incision engaging portion of the diaphragm with the incision and engagement of the distal ring to the internal body tissue increases with an increase in pressure within the controlled pressurized environment.

107. (Previously Presented) A surgical device providing sealed access through an incision in a patient, the device comprising:

a distal ring insertable through the incision to engage internal body tissue;
a tubular diaphragm having a distal end, a proximal end, an internal portion, and an incision engaging portion opposite the internal portion,
the distal end of the tubular diaphragm being coupled to the distal ring and the proximal end of the tubular diaphragm located proximal the distal ring and outside the incision; and

an entry seal assembly located proximal the tubular diaphragm and configured to maintain a controlled pressurized environment inside the surgical device,

the engagement of the distal ring to the internal body tissue providing a seal such that the incision engaging portion of the tubular diaphragm is not subject to the controlled pressurized environment, while the internal portion of the tubular diaphragm is subject to the controlled pressurized environment.

108-110. (Canceled).